

## LSASD Field Activity Report

A Field Activity Report, using the form below (in accordance with SOP 1740.03), is required anytime LSASD staff go to the field to collect environmental samples, observations, or measurements, or to install, service, repair, or retrieve equipment used to collect environmental samples, observations, or measurements. LSASD staff trips to the field to assess the operation of environmental sampling and measurement equipment, also require Field Activity Reports.

<b>PROJECT TITLE</b> (The larger project to which this activity is a part, include project codes or other distinguishing information – reference the QAPP if environmental information is collected.)	AltEn Ethanol Facility Air Toxics/Odors sampling/screening.  48 air samples (XAD and TD tubes) were collected around the AltEn Ethanol facility, Mead, NE over a two-day period (5/31/22) as per QAPP “QAPP for Air Toxic/odor Sampling In and Around the AltEn Ethanol Facility, Mead, Nebraska,” (R7QAO Document Number: 2022092, approved 5/25/22).
<b>PROJECT CUSTOMER</b>	Nebraska Department of Environment and Energy (NDEE)
<b>PURPOSE AND GOALS OF THE FIELD ACTIVITY</b>	Sample around the defunct ethanol facility outside Mead, NE to identify odors and contaminants in the air.
<b>START AND END DATE(s)</b> (when the field activity occurred)	5/31/22-6/02/22
<b>FIELD TEAM MEMBERS</b> (names and organizational affiliations of all people who participated in the field activity including those from organizations outside of LSASD)	Leland Grooms (R7 EPA) project preparation, onsite air sampling activities, post air sampling activities) Brad Pracheil Nebraska Department of Environment and Energy (NDEE) onsite sampling activity support EPA Office of Research and Development (ORD) laboratory sample analysis
<b>LOCATIONAL INFORMATION, ACTIONS PERFORMED, AND THE RESULTS OF THOSE ACTIONS</b> (include references to logbooks, sample sheets or logs, forms, and checklists as appropriate. Discuss where photos, videos, and collected measurements and observations may be found, as well as where data from analyzed samples will be maintained. Analysis of data and information is <u>not</u> expected. Discuss whether planned goals were achieved and if not, why not.)	<p>I met with Brad Precheil (NDEE) at the AltEn Ethanol Facility (Mead, NE) at 0935 on 5/31/22 and again at 0710 on 6/01/22. Each day, we proceeded directly to the pre-discussed wetcake and lagoon areas around the facility and to collect air toxics screening samples utilizing pumped air through XAD sorbent and Thermal Desorbent (TD) tube technology. We took 9 individual XAD and TD samples on 5/31 and again on 6/01 for a total of 36 samples overall. 8 sampling locations of each respective type were located around the wetcake and lagoon areas located at the facility. 1 background sampling location was located directly 1 mile north of the AltEn facility at an open lot adjoining a local church.</p> <p>Three QA/QC samples were taken each day (Duplicates, Trip Blanks, Field Blanks) for each parameter for a total of 12 samples.</p> <p>Thus, the two-day sampling event consisted of the 36 XAD &amp; TD tube samples collected and the 12 QA/QC samples collected for an overall total of 48 samples.</p> <p>The 48 samples were packaged and shipped on 6/2/2022 through the Omaha UPS office to ORD for analysis.</p>

<b>SIGNIFICANT MEETINGS</b> (describe any significant meetings that occurred during this field activity including their dates and times, locations, participants with organizational affiliations, topic(s) of discussion, and outcomes. "NA" if none)	N/A
<b>ENVIRONMENTAL OR WEATHER CONDITIONS</b> (encountered in the field during this activity)	5/31/22: partly cloudy with winds from the N/NW gusting to 20 MPH, temperature -82 6/01/22: Mostly cloudy with light winds from the N averaging 5-7 MPH, temperature 74
<b>REPORT AUTHOR'S NAME, TITLE, AND ORGANIZATIONAL AFFILIATION</b>	Leland Grooms, Senior Environmental Scientist, Air Monitoring Team Leader R7 EPA/LSASD/FSB
<b>REPORT AUTHOR'S SIGNATURE</b>	
<b>APPROVAL SIGNATURE</b>	